**A**

**TRAINING REPORT**

**ON**

**LIBRARY MANAGEMENT SYSTEM**

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**Co - 4**

**Declaration**

We, hereby declare that the report of the project entitled **“Library Management System”** has not been presented as a part of any other academic work to get our degree or certificate except **NIT Kurukshetra** for the fulfilment of the requirements for the degree of Bachelor of Computer Engineering.

# 

# Acknowledgement

Keep away from people who try to belittle your ambitions. Small people always do that, but the really great make you feel that you too, can become great.

I take this opportunity to express our sincere thanks and deep gratitude to all those people who extended their wholehearted co-operation and have helped us in completing this project successfully.

I are highly indebted and graceful to **Mr. Upkar Tung**(Project Leader) for his strict supervision, constant encouragement, inspiration and guidance, which ensure the worthiness of our work. Working under him was an enriching experience. We express our sincere thanks to our senior of software development department for their encouragement and valuable suggestion.

I would also like to thank our parents & project mate for guiding and encouraging us throughout the duration of the project.

In all we found a congenial work environment in Sharp E Infotech and this completion of the project will mark a new beginning for us in the coming days.

# Introduction

As a part of our summer training, during the period of June 10, 2014 to August 10, 2014 . I have successfully completed my training from Sharp E Infotech , Kaithal .My training was based on the Object Oriented language ,Java, basically Core Java and JDBC(Java Database Connectivity). During that period I did a project titled “Library Management System ”.

Here is a brief introduction to Java.

### History of java

Perhaps the microprocessor revolution’s most important contribution to date is that it made possible the development of personal computers, which now number in the hundreds of millions worldwide. Personal computers have had a profound impact on people and the way organizations conduct and manage their business.

Many people believe that the next major area in which microprocessors will have a profound impact is in intelligent consumer-electronic devices. Recognizing this, Sun Microsystems funded an internal corporate research project code-named Green in 1991. The project resulted in the development of a C- and C++-based language that its creator, James Gosling, called Oak after an oak tree outside his window at Sun. It was later discovered that there already was a computer language called Oak. When a group of Sun people visited a local coffee place, the name Java was suggested, and it stuck. The Green project ran into some difficulties. The marketplace for intelligent consumer-electronic devices was not developing as quickly as Sun had anticipated. Worse yet a major contract for which Sun competed were awarded to another company. So the project was in danger of being cancelled. By sheer good fortune, the World Wide Web exploded in popularity in 1993, and Sun people saw the immediate potential of using Java to create Web pages with so-called *dynamic content*. This breathed new life into the project. Sun formally announced Java at a major conference in May 1995. Ordinarily, an event like this would not have generated much attention. However, Java generated immediate interest in the business community because of the phenomenal interest in the World Wide Web. Java is now used to create Web pages with dynamic and interactive content, to develop large-scale enterprise applications, to enhance the functionality of World Wide Web servers (the computers that provide the content we see in our Web browsers), to provide applications for consumer devices (such as cell phones, pagers and personal digital assistants) and for many other purposes.

### About the language

Java is a particularly attractive first programming language. At the JavaOne™ trade show in June 2001, it was announced that Java is now a required part of the programming languages curriculum in 56% of US colleges and universities. Also, 87% of US colleges and universities offer Java courses. Java is attractive to high schools as well. In 2003, the College Board will standardize on Java for Advanced Placement computer science courses.

Java has evolved rapidly into the large-scale applications arena. Java is no longer a language used simply to make World Wide Web pages “come alive.” Java has become the preferred language for meeting many organizations’ programming needs. For many years, languages like C and C++ appealed to universities because of their portability. Introductory courses could be offered in these languages on any hardware/operating system combination, as long as a C/C++ compiler was available. However, the programming world has become more complex and more demanding. Today, users want applications with graphical user interfaces (GUIs). They want applications that use multimedia capabilities such as graphics, images, animation, audio and video. They want applications that can run on the Internet and the World Wide Web and communicate with applications. They want applications that can take advantage of the flexibility improvements of multithreading (which enables programmers to specify that several activities should occur in parallel). They want applications with richer file processing than is provided by C or C++. They want applications that are not limited to the desktop or even to some local computer network, but can integrate Internet components and remote databases as well. They want applications that can be written quickly and correctly in a manner that takes advantage of prebuilt software components. They want easy access to a growing universe of reusable software components. Programmers want all these benefits in a truly portable manner, so that applications will run without modification on a variety of *platforms* (i.e., different types of computers running different operating systems). Java offers all these benefits to the programming community.

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